



AMENDMENT TO THE CLAIMS

Please amend the presently pending claims:

1. (Currently Amended) A process for characterizing intellectual property (IP) defining a circuit for integration at an anchor point in a context pre-defined IC, comprising steps of:

a) selecting a constraint on modification of each of a plurality of bounding constraints on physical characteristics of the IP;

b) defining bounding constraints for each of the physical characteristics of the IP based on ~~characteristics~~ the context of the IC;

c) physically synthesizing the IP using the bounding constraints;

d) testing the physical characteristics of the synthesized IP; ~~and~~

e) iteratively repeating steps b), c) and d) using the test results to modify the bounding constraints ~~for characteristics~~ within the respective constraints of modification ~~until to improve~~ the physical characteristics of the IP ~~are optimized;~~

(f) identifying a plurality of anchor points for the IP in the IC, and

(g) repeating steps (b)-(e) for each anchor point.

2. (Currently Amended) The process of claim 1, wherein step (e) further comprises:

repeating steps (b), (c) and (d) through a range of acceptable characteristics of the IP, and

selecting a set of characteristics of the IP from the range.

3-4. (Canceled)

5. (Currently Amended) The process of claim 2, wherein the constraint on modification of each bounding constraint ~~characteristic~~ is selected from the group comprising fixed, variable and priority relationship.

6. (Original) The process of claim 2, further comprising:
f) storing the characteristics of the IP.

7. (Original) The process of claim 1, further comprising:
f) storing the characteristics of the IP.

8. (Currently Amended) The process of claim 1, wherein the constraint on modification of each bounding constraint ~~characteristic~~ is selected from the group comprising fixed, variable and priority relationship.

9-10. (Canceled).

11. (Currently Amended) A computer useable medium having a computer readable program embodied therein for addressing data to characterize intellectual property (IP) defining a circuit for integration at an anchor point in a context pre-defined IC platform, the computer readable program comprising:

first computer readable program code for causing the computer to identify a constraint on modification of each of a plurality of bounding constraints ~~of~~ on physical characteristics of the IP;

second computer readable program code for causing the computer to define the bounding constraints ~~for~~ on the characteristics of the IP based on ~~characteristics~~ the context of the IC platform;

third computer readable program code for causing the computer to synthesize the IP using the bounding constraints;

fourth computer readable program code for causing the computer to test the physical characteristics of the synthesized IP; ~~and~~

fifth computer readable program code for causing the computer to iteratively repeat execution of the second, third and fourth computer readable program codes using results of execution of the fourth computer readable program code from the prior iteration to modify the bounding constraints within the respective constrains of modification ~~until~~ to improve the physical characteristics of the IP ~~are optimized~~

sixth computer readable program code for causing the computer to identify a plurality of anchor points in the platform, and

seventh computer readable program code for causing the computer to repeat execution of the second, third, fourth and fifth computer readable program codes for each anchor point.

12. (Currently Amended) The computer useable medium of claim 11, wherein the fifth computer readable program code further comprises:

computer readable program code for causing the computer to repeat execution of the second, third and fourth computer readable program codes through a range of acceptable characteristics of the IP, and

computer readable program code for causing the computer to select a set of characteristics of the IP from the range.

13-14. (Canceled).

15. (Currently Amended) The computer useable medium of claim 12, wherein the constraint on modification of each bounding

constraint ~~characteristic~~ is selected from the group comprising fixed, variable and priority relationship.

16. (Original) The computer useable medium of claim 12, wherein the computer readable program further comprises:

computer readable program code for causing the computer to store the characteristics of the IP.

17. (Original) The computer useable medium of claim 11, wherein the computer readable program further comprises:

computer readable program code for causing the computer to store the characteristics of the IP.

18. (Currently Amended) The computer useable medium of claim 11, wherein the constraint on modification of each bounding constraint ~~characteristic~~ is selected from the group comprising fixed, variable and priority relationship.

19. (Canceled).